

## Today's Topics:

89 Supplement...Help  
ARRL 81: LICENSE FEE INFO  
ARRL DX NR 43  
ARRL NR 75: EARTHQUAKE TRAFFIC  
Aviation Radio: Info Required  
Over-the-horizon Radar (was Re: Radar)  
Re: Need help with BC200-XLT problem (LONG)  
Third Party Traffic, MM net and BARF get letters from FCC  
Uniden President HR-2600 - info request  
Wipeout!

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Date: Sat, 28 Oct 89 16:18:24 CDT

From: rlwest@flop2.csc.ti.com (Bob West - WA8YCD - DSEG/HRD Computer Systems  
Training - MSG HRD1 - 995-1908)

Subject: 89 Supplement...Help

>From: TILDE::"berman@cbnewsc.ATT.COM" "a.scott.berman" 28-OCT-1989 11:34:54.36

>To: info-hams-incoming

>Subj: 89 Supplement...Help

>

>Could someone with a 89 Callbook Supplement send the name and address

>of WVOP.... I made my long sought first Nebraska contact last night

>only to find him not in the 89 Callbook.

>

>Many thanks Send to att!ihlpl!berman

>

>Scott Berman WD9EMZ

Scott,

I am looking in the 89 supplement on page 118. I see WR0P and then it goes to KC0PA.

Maybe someone with access to Buckmaster's or Callbook's online database can help?

SRI es 73,

Bob WA8YCD

RLWEST@FLOPN2.CSC.TI.COM

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Date: 29 Oct 89 02:23:06 GMT

From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)

Subject: ARRL 81: LICENSE FEE INFO

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|           Relayed from packet radio via           |
| N8EMR's Ham BBS, 614-457-4227 (1200/2400/19.2 telebit,8N1) |
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ARRL BULLETIN 81 (ARLB081) 10/28/89

ON OCTOBER 26 THE LEAGUE LEARNED THAT THE CONGRESSIONAL CONFERENCE COMMITTEE WORKING ON THE BUDGET RECONCILIATION ACT, S1750/HR3299, IS NOT EXPECTED TO REACH THE MATTER OF AMATEUR LICENSE FEES UNTIL AROUND NOVEMBER 1.

ARRL MEMBERS ACCORDINGLY HAVE SOME ADDITIONAL TIME IN WHICH TO CONTACT THEIR SENATORS AND REPRESENTATIVES TO ASK THAT CONFEREES BE URGED TO DROP THE AMATEUR FEES FROM THE BILL.

THE EDITORIAL IN NOVEMBER QST HAS MORE DETAILS. AR

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Date: 29 Oct 89 02:24:31 GMT  
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)  
Subject: ARRL DX NR 43

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|           Relayed from packet radio via           |
| N8EMR's Ham BBS, 614-457-4227 (1200/2400/19.2 telebit,8N1) |
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ARRL DX NR 43 (ARLD043) 10/27/89

THANKS TO BOB, WB2CJL, AND THE WESTERN NEW YORK DX ASSOCIATION FOR THE FOLLOWING DX INFORMATION.

CQWW CONTEST NOTES.

PHILIPPINES. KE9A/DU3 WILL BE ACTIVE IN THE SSB CONTEST ON ALL BANDS, 160 THROUGH 10 METERS. HE WILL RUN 600 WATTS ON THE TOP BAND.

KERGUELEN. FT5XA WILL BE ACTIVE SOON. F6GYV WILL SIGN FT5XH AND FD1PYV WILL SIGN FT4XI. ALL THREE OPERATORS ARE TO BE QRV BY NOVEMBER 16 AND HOPE TO BE IN THE CW PORTION OF THE CONTEST AT THE END OF NOVEMBER.

COSTA RICA. JOHN, K1AR, AND LUIS, TI2LTA, WILL SIGN TI1J IN A MULTI-SINGLE EFFORT DURING THE SSB CONTEST ON 160 THROUGH 10 METERS. QSL VIA K1AR.

GIBRALTAR. OH2KI WILL SIGN ZB2X ON 160 THROUGH 10 METERS DURING THE SSB CONTEST.

WESTERN SAMOA. JA10EM WILL SIGN 5W1HP OCTOBER 24 THROUGH 31 WITH PLANS FOR 10 AND 6 METER OPERATIONS. HE ALSO WILL BE A MONOBAND 10 METER ENTRY IN THE CONTEST.

EA9OB, EA9IB, EC9JB AND EA5BY WILL OPERATE EA9OB FROM MELILLA, NORTH AFRICA DURING THE CONTEST. QSL VIA EA5BY.

ESTONIAN OPERATORS WILL BE ALLOWED TO USE THE PRE-WW2 ES PREFIX IN THE NEAR FUTURE. THE REPUBLIC MAY BE DIVIDED INTO 10 AREAS, MUCH LIKE BEFORE WW2. IF SO DIVIDED, THE PREFIXES THEN WILL BE ES1 THROUGH ES0.

SAO TOME. WALTER, DJ6QT, HAS BEEN ON RTTY THE PAST FEW DAYS SIGNING S92LB. QSL VIA HIS HOME CALL.

SOUTH SUDAN. JOHN, PA3CXC, STATES THAT THE CHANCE OF A LARGE SCALE OPERATION LOOKS GOOD FOR FEBRUARY 1990. HE OPERATED FROM THERE BRIEFLY ABOUT THREE WEEKS AGO BUT RIG PROBLEMS LIMITED HIM TO HALF A DOZEN QSOS.

BAHAMAS. G0AZT AND AA5AU ARE OPERATING RTTY, CW AND 10 METER SSB THROUGH NOVEMBER 1. TWO STATIONS WILL BE UP AND RUNNING AS OFTEN AS POSSIBLE. QSL C6A/G0AZT TO PO BOX 5914, RICHMOND, CA 94805 AND C6A/AA5AU TO AA5AU IN THE 88/85 CALLBOOK.

SOUTH GEORGIA. STEVE, VP8BUB, IS ACTIVE TUESDAYS AND THURSDAYS ON 14256 KHZ AROUND 2330Z IN A LIST TYPE OPERATION. HIS HOURS FOR RADIOSPORTING ARE LIMITED TO 0000 THROUGH 0900Z. QSL VIA G4YL0. AR

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Date: 29 Oct 89 02:22:10 GMT  
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)  
Subject: ARRL NR 75: EARTHQUAKE TRAFFIC

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| Relayed from packet radio via |  
| N8EMR's Ham BBS, 614-457-4227 (1200/2400/19.2 telebit,8N1) |  
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ARRL NR 75 ARLB075 10/18/89

ARRL OFFICIALS IN THE EARTHQUAKE-AFFECTED AREAS REPORT THERE ARE RELATED AMATEUR NETS ON 144 AND 220 MHZ. A STATEWIDE OES NET HAS CONVENED ON 3952 KHZ. AMATEURS ARE ADVISED TO MONITOR THIS AND OTHER EMERGENCY NET FREQUENCIES, BUT DO NOT TRANSMIT ON THESE FREQUENCIES EXCEPT IN RESPONSE TO A REQUEST FOR ASSISTANCE. ULTIMATE PRIORITY MUST BE GIVEN TO IMMEDIATE EMERGENCY RELIEF COMMUNICATIONS.

NATIONAL TRAFFIC SYSTEM OFFICIALS ADVISE THAT WELFARE INQUIRY TRAFFIC BE ROUTED VIA NORMAL NTS PATHS. PRIORITY IN HEALTH AND WELFARE TRAFFIC HANDLING MUST BE<x~RDED TO MESSAGES ORIGINATING IN THE AFFECTED AREAS. AMATEURS SHOULD ADVISE THE PUBLIC TO ATTEMPT NORMAL TELEPHONE SERVICE FIRST BEFORE INITIATING AN INQUIRY VIA AMATEUR RADIO. MESSAGES SHOULD CONTAIN COMPLETE ADDRESS AND PHONE NUMBER. USE ARL-NUMBERED TEXTS.o>jROL OF THE COMMUNICATIONS SITUATION BELONGS WITH AMATEURS IN THE AFFECTED AREAS. AR

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Date: 27 Oct 89 22:12:13 GMT  
From: hpda!hpcupt1!hprnd!hprmokg!barry@uchvax.Berkeley.EDU (Barry Fowler)  
Subject: Aviation Radio: Info Required

davel@vision.UUCP (Dave Lockwood) writes:

>I'm pretty familiar with the use of Voice comms over radio in the aviation  
>world, however (as I'm also a radio nut :-), I'd like to learn more about:

>VOR, DME, IM/MM/OM, NDB, TACAN, ILS, MLS

>>(and any other uses of radio for aviation purposes).

>Would any of you care to post explanations of how these wonderful things work?  
>I'll summarise if there's interest.

>Thanks in advance

rec.aviation would probably be able to help here.

Barry  
WB6JZL

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Date: 28 Oct 89 21:30:02 GMT

From: gem.mps.ohio-state.edu!wuarchive!texbell!attctc!sampson@tut.cis.ohio-state.edu (Steve Sampson)

Subject: Over-the-horizon Radar (was Re: Radar)

In article <4286@vice.ICO.TEK.COM>, georgep@vice.ICO.TEK.COM (George Pell) writes:

> In article <5992@merlin.usc.edu> eickmeyer@girtab.usc.edu (Biff Henderson) writes:

>> I toured Grand Forks Air Force Base outside Grand Forks, North Dakota,  
>

> The receiving portion of this radar is under construction in Christmas  
> Valley, Oregon. Construction is proceeding.

>

Actually that receiver antenna is for the West looking 180 degrees. I heard the transmitter was going to Washington state, but haven't kept up with it.

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Date: 29 Oct 89 01:43:15 GMT

From: hp-pcd!hpspkla!summers@hplabs.hp.com (Jim B. Summers)

Subject: Re: Need help with BC200-XLT problem (LONG)

A comment on the current required to hold the memory contents:

The .5 mA measured with the power switch in the off position is not the current required to maintain the RAM contents in the processor. Rather, it is being drawn by a voltage divider used to create a 5.6 volt regulator using a 3 terminal 5 volt regulator. A 10K resistor is placed between the regulator output and the ground terminal of the regulator IC. The regulator will force 5 volts across this resistor and therefore .5 ma will flow in it. The ground terminal of the regulator is connected to battery ground through 1.2K. This .5 ma will flow to battery ground through the 1.2K raising the regulator ground terminal .6 volts above battery ground.

The reason the designers wanted 5.6 volts from this regulator was to provide 5 volts on the other side of a diode which is used to isolate the regulator from the capacitor which holds the memory contents when the battery pack is removed. The RAM is located in the CMOS processor (IC201) so this 5 volt regulator provides the Vdd for the processor when the scanner is on.

I was able to reduce the switch off current drain by a factor of 10 by replacing the resistor between the ground terminal of the regulator and battery ground (R243) with a diode, and increasing the value of the 10K resistor (R244) to 100K.

Low battery warning:

I have also modified the low battery warning circuitry in my scanner so that the warnings start at 6.6 volts (originally 7.2V in my unit.) I had no data on the part (IC-204) that acts as a comparator to detect low battery voltage so I experimented with a resistive voltage divider in place of the zener diode (D203) and 150K resistor (R208). I ended up with a 5.11K in place of the diode and a 10K for R208. This circuit will draw .5 ma or so from a fully charged battery but this is negligible compared to the total current requirements of the scanner. (This current only flows with the power switch on.)

While these modifications have increased my satisfaction with my BC205XLT, I would not recommend them to people who have not had some experience working with surface mount components. Static discharge precautions should also be taken. Proceed at your own risk!

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Jim Summers, KD7F

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Date: 28 Oct 89 14:20:13 GMT  
From: asuvax!anasaz!john@handies.ucar.edu (John Moore)  
Subject: Third Party Traffic, MM net and BARF get letters from FCC

In article <968@lopez.UUCP> flash@lopez.UUCP (Gary Bourgois) writes:  
]to. In addition to emergency traffic, friendly greetings etc are not any  
]threat to any commercial carrier. It is when amateurs blatantly solicit  
]phone patch traffic that the activity becomes objectionable. I do not

It may be objectionable, but unless it contains business traffic or comes from a country without a third party agreement, it is NOT illegal. There has long been a myth in amateur radio that phone patches (or autopatches) cannot be used to evade tolls. It is just that - a myth.

I think one of the main problems with the MM net was that they used to be very lax about checking the validity of the licenses of the amateurs on boats for whom they ran patches. I understand that over the last year or two they have been very careful.

Disclaimer: I rarely frequent 14.313, having only used it to find other hams for a QS0, so I'm no expert on 14.313 practices.

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John Moore (NJ7E) mcdphx!anasaz!john asuvax!anasaz!john  
(602) 861-7607 (day or eve) long palladium, short petroleum  
7525 Clearwater Pkwy, Scottsdale, AZ 85253

The 2nd amendment is about military weapons, NOT JUST hunting weapons!

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Date: 28 Oct 89 21:41:22 GMT  
From: attctc!sampson@tut.cis.ohio-state.edu (Steve Sampson)  
Subject: Uniden President HR-2600 - info request

I've had 2 2600's now. The first one quit during the first QSO (TX Problem), the second had a bad microphone. Now that I got that fixed... It's not bad but the selectivity could be much better. I'm going to velcro my active audio filter to mine. The other thing is it has a lot of birdies on my GM Riviera (1987). This total electronic nightmare causes a couple of birdies - 28.305 and several others. I use it only on SSB as I'm a Technician. For Novice and Technician it's too much radio. It would be better to get a multi-band rig when you upgrade. I bought mine because it was only a few dollars more than what Radio Shack wanted for an SSB only rig. I got FM and PL tone for almost the same price. All in all... I've got a Japan contact, an Austrian contact, and many US contacts from Oklahoma. You have to wait till the kilo-watters go home, then your 56, 58 mobile signal will get through. I usually call CQ as I get more contacts that way. If I try and compete, I lose. Needs a linear with maybe 100 watts for mobile. I like it. I'd love it with more selectivity though, as the QRM ruins some good weak contacts. Steve, N50WK.

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Date: 27 Oct 89 18:23:13 GMT  
From: hpfcso!hpfcdj!myers@hplabs.hp.com (Bob Myers)  
Subject: Wipeout!

>You know propagation conditions aren't so good when you can't even copy WWV!

Gee, I don't know, I haven't had any problems with WWV! :-)

Bob Myers KC0EW HP Graphics Tech. Div. | Opinions expressed here are not  
Ft. Collins, Colorado | those of my employer or any other  
^^^^^^^^^^^^^^^^^^^^  
myers%hpfcla@hplabs.hp.com | sentient life-form on this planet.

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End of INFO-HAMS Digest V89 Issue #821  
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